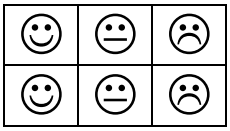
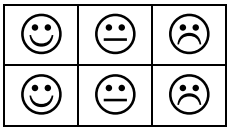
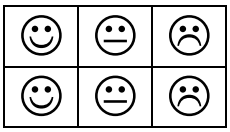
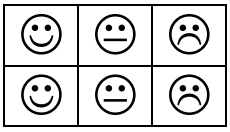
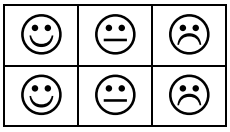
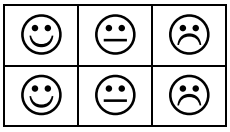
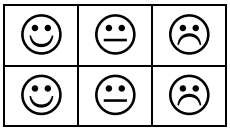
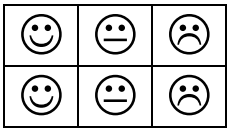
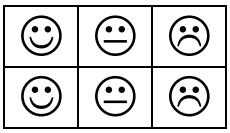
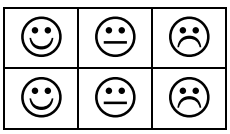
**S1 Block 4**

| Topic | I can? | Example of Evidence |
|---|---|---|
| **TRIANGLES/TWO DIMENSIONAL SHAPE** | | |
| **A:** I can draw a triangle given the length of one side and 2 angles. |  | Draw a triangle ABC with side AB = 5cm, angle CAB = 50° and angle ABC = 35° |
| **B:** I can draw a triangle given the lengths of all 3 sides. |  | Draw a triangle XYZ with XY = 6.5cm, YZ = 5cm and XZ = 4cm |
| **C:** I can discuss the properties of 2D shapes/quadrilaterals. |  | Describe the following 2D shapes:-<br>a) square b) rhombus c) parallelogram |
| **NUMBER/INTEGERS** | | |
| **D:** I can use numbers less than zero to describe temperature |  | The temperature at midday was 4°C. By midnight it had fallen 7°C. What is the new temperature? |
| **E:** I can solve simple problems using numbers less than zero |  | Mr Millar has £80 in his bank account.<br>He has to pay bills of £75, £30 and £12. He then receives a payment of £115.<br>Show this information in a bank statement. |
| **F:** I can identify multiples and common multiples |  | What are the multiples of 4?<br>What are the multiples of 6?<br>What are the common multiples of 4 and 6?<br>What is the lowest common multiple of 4 and 6? |
| **G:** I can identify factors and common factors |  | What are the factors of 24?<br>What are the factors of 28?<br>What are the common factors of 24 and 28?<br>What is the highest common factor of 24 and 28? |
| **H:** I can identify prime numbers |  | Which of the following are prime numbers?<br>2, 7, 8, 10, 17, 27, 33, 37, 51, 90, 95 |
| **EQUATIONS** | | |
| **I:** I can construct simple mathematical equations. |  | A burger costs £a and a drink cost £1.<br>Three burgers and two drinks cost £7.<br>Construct an equation to show this. |
| **J:** I can solve simple equations |  | $x + 7 = 15$<br>$4p = 12$<br>$3x + 5 = 26$<br>$5y - 3 = 22$ |

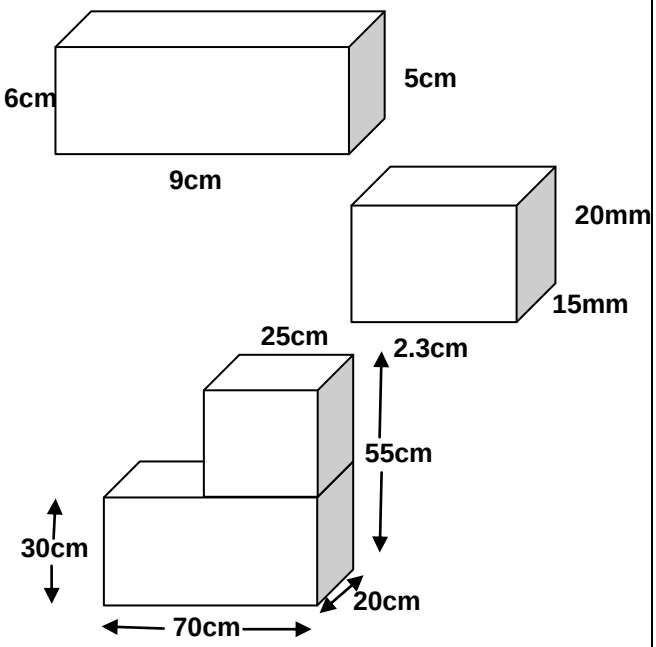
## VOLUME AND WEIGHT

**K:** I can calculate the volume of a cuboid using the formula V = l x b x h

**L:** I can select appropriate units and accuracy when calculating volume

**M:** I can find the volume of compound 3D objects, in practical problems

Find the volume of these objects.




## BEARINGS AND DIRECTIONS

**N:** I can interpret maps and plans

Using a scale of 1:100000 how far does 3cm on a map represent in kilometres.

**O:** I can create accurate plans and scale drawings of routes and journeys

A ship leaves port A on a bearing of 080° and travels 8km, it then changes direction to a bearing of 200° for 5km. Show this on a scale drawing.

**P:** I can interpret a bearing from a point A to a point B (*and calculate the bearing from point B back to point A)*

A hiker walks for 5km on a bearing of 070°. Show this on a scale drawing.
What is the bearing to return to the start?

## SEQUENCES

**Q:** I can follow a rule to find a sequence of numbers

Find the next 3 numbers in each sequence :-
1, 4, 7,…,…..,…..,
4, 8, 16, ….,……,…….
2, 3, 5, 8, ….,……..,…….

**R:** I can find a formula for a sequence of numbers

Find a formula for this pattern:-

| Tables | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| Chairs | 4 | 6 | 8 | 10 |